

ABSTRACT

An electrochemical capacitor including a separating layer on a support. The separating layer represents a porous inorganic, electrically non-conducting coating which is provided with particles of compounds of the elements Al, Si, and/or Zr, the particles being bonded to each other and to the support by an inorganic adhesive. The support can represent a porous electrode or a porous and planar substrate that is provided with polymer fibers.